



# Material Safety Data Sheet

BEHDASH CHEMICAL COMPANY

Name:

Code:

## 1- Identification

**Behdaset STS – Sodium Toluene Sulphonate**

### Recommended use of the chemical and restriction on use

Recommended use\*: surfactants

### Details of the supplier of the safety data sheet Company:

BEHDASH CHEMICAL CO.

Address: No. 49, VardAvard Blvd, Makhsoos Rd, Tehran, Iran

P. O. Box: 1398163171

Tel Number: (+98 21)47696

Fax Number: (+98 21)44993211

www.BehdashCo.com

## 2- Hazards Identification

**Emergency overview** : Contact with eyes may cause irritation. Contact with skin may cause irritation. May cause irritation of respiratory tract.

### Potential health effects

**Eyes:** Contact with eyes may cause irritation.

**Skin:** This product may cause irritation to the skin.

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system.

**Ingestion:** Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

## 4- Composition / Information on Ingredients

Chemical and Common Name	CAS Registry Number	Wt. %
Sodium toluenesulfonate	12068-03-0	37-39
Sodium sulfate	7757-82-6	< 4
Water	7732-18-5	57-60

## 5- First-Aid Measures

### First aid procedures

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Code:

Rev:



# Material Safety Data Sheet

BEHDASH CHEMICAL COMPANY

Name:

Code:

**Skin contact :** For skin contact flush with large amounts of water. Get medical attention if irritation develops or persists. Immediately take off all contaminated clothing. Wash clothing separately before reuse.

**Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

## 6- Fire-Fighting Measure

### Extinguishing media

#### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### Protection of firefighters

#### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 7- Accidental release measures

**Personal precautions:** Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

**Environmental:** precautions Prevent further leakage or spillage if safe to do so.

**Methods for containment:** Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up:** Wear appropriate protective equipment and clothing during clean-up.

**Small Spills:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Large Spills:** Dike far ahead of liquid spill for later disposal.

## 8- Handling and Storage

**Handling:** Avoid contact with skin and eyes. Wash hands thoroughly after handling.

**Storage Store:** in cool place. Keep in a well-ventilated place.

## 9- Exposure Controls/Personal Protection

**Engineering controls:** Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

### Personal protective equipment General

**Eye:** wash fountain and emergency showers are recommended.

**Eye / face protection :** Wear chemical goggles. Face-shield.

**Skin protection :** Wear suitable protective clothing. Use impervious gloves.

**Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

## 10- Physical and Chemical Properties

Code:

Rev:



# Material Safety Data Sheet

BEHDASH CHEMICAL COMPANY

Name:

Code:

**Physical state:** Liquid.  
**Form:** Liquid.  
**pH :** 8-10 (10 % in water)  
**Boiling point:** > 212 °F (> 100 °C)  
**Flash point:** > 200 °F (> 93.3 °C) PMCC  
**Evaporation rate:** Estimated slower than ethyl ether.  
**Vapor density:** Estimated lighter than air.  
**Specific gravity :** 1.16-1.22 g/ml @ 20 °C  
**Percent volatile :** 57 - 60 %

## 11- Stability and Reactivity

**Chemical stability:** Stable at normal conditions.

**Incompatible materials:** Strong oxidizing agents Strong acids.

**Hazardous decomposition products:** Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur. Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

**Possibility of hazardous reactions:** Will not occur.

## 12- Toxicological information

Not available.

## 13- Ecological Information

Not available.

## 14- Disposal considerations

**Disposal instructions:** Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

## 15- Transport Information

**Notes ;** Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

## 16- Regulatory Information

**Reportable Quantity :** There is no calculable reportable quantity (RQ) for this product.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 302 extremely hazardous substance :** No

**Section 311/312:** This product is categorized as an immediate health hazard according to EPA under Section 311/312 of SARA.

Code:

Rev:



# Material Safety Data Sheet

BEHDASH CHEMICAL COMPANY

Name:

Code:

## 17- Other Information

**Further information:** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings:**  
Health: 1  
Flammability: 1  
Physical hazard: 0  
Personal protection: X

**NFPA ratings:**  
Health: 1  
Flammability: 1  
Instability: 0

**Disclaimer** Terms and Conditions. This MSDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this MSDS, or in any other way related (directly or indirectly) to this MSDS. The receipt and use of this information constitutes consent to these terms and conditions.

Code:

Rev: